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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,589	04/03/2002	Jaakko Vihriala	4925-207PUS	9706

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EXAMINER

FOX, JAMAL A

ART UNIT PAPER NUMBER

2664

DATE MAILED: 01/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/049,589

Applicant(s)

VIHRIALA, JAAKKO

Examiner

Jamal A. Fox

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 9-14 is/are rejected.
- 7) ☒ Claim(s) 7, 8, 15 and 16 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 April 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/13/02 & 8/26/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in PCT on 9/20/1999. It is noted, however, that applicant has not filed a certified copy of the PCT/EP99/06951 application as required by 35 U.S.C. 119(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Bodin (WO 98/15150).

Referring to claim 1, Bodin discloses a method for performing synchronization (synchronization, page 6 lines 29-31) of a mobile network device to a network control device of a present radio network region, comprising the steps of

detecting a source radio network region from which a handover (handover, page 7 lines 4-12) of said mobile network device to said present radio network region has been performed,

determining a start propagation delay (propagation delay, page 7 lines 10-20) value based on said detected source radio network region of said mobile station, and

searching (measures, page 6 lines 29-31) an actual propagation delay value by using a search strategy based on said determined start propagation delay value.

Referring to claim 9, Bodin discloses a network control device of a present radio network region, comprising

a detecting means (Fig. 8 ref. sign TR and respective portions of the spec.) for detecting a source radio network region from which a handover of a mobile network device to the present radio network region has been performed,

a determining means (Fig. 8 ref. sign GR and respective portions of the spec.) for determining a start propagation delay value based on said detected source radio network region of said mobile station, and

a search means (Fig. 8 ref. sign CPU and respective portions of the spec.) for searching an actual propagation delay value by using a search strategy based on the determined start propagation delay value.

4. Claims 1-6 and 9-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Chia (U.S. Patent No. 5,394,158).

Referring to claim 1, Chia discloses a method for performing synchronisation (synchronization, col. 6 lines 50-64) of a mobile network device to a network control device of a present radio network region, comprising the steps of

detecting a source radio network region from which a handover (handover, col. 5 line 35 - col. 6 line 8) of said mobile network device to said present radio network region has been performed,

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determining a start propagation delay (propagation delay, col. 5 lines 23-30) value based on said detected source radio network region of said mobile station, and searching an actual propagation delay value by using a search strategy (test, col. 5 lines 23-30) based on said determined start propagation delay value.

Referring to claim 2, Chia discloses the method according to claim 1, wherein from a plurality of adjacent sectors start propagation delay values are stored in a database (storage unit, col. 5 lines 31-45).

Referring to claim 3, Chia discloses the method according to claim 2, further comprising the step of

updating (store, col. 5 lines 31-35) said database with said searched actual propagation delay value after performing said search step.

Referring to claim 4, Chia discloses the method according to claim 3, wherein for each adjacent sector one (order pair, col. 5 lines 31-35) start propagation value is stored.

Referring to claim 5, Chia discloses the method according to claim 3, wherein for each adjacent sector a plurality of start propagation values are used and an average (average, col. 4 lines 58-62 and col. 6 lines 9-28) of said plurality of start propagation values is used as the basis for said search strategy.

Referring to claim 6, Chia discloses the method of claim 5, wherein a distribution (transmitted, col. 5 lines 26-30) of said plurality of start propagation values is also used as the basis for said search strategy.

Referring to claim 9, Chia discloses a network control device of a present radio network region, comprising

a detecting means for detecting a source radio network region from which a handover (handover, col. 3 lines 52-54) of a mobile network device to the present radio network region has been performed,

a determining (determining, col. 3 lines 38-54) means for determining a start propagation delay value based on said detected source radio network region of said mobile station, and

a search means for searching an actual propagation delay (propagation delay, col. 5 lines 23-30) value by using a search strategy based on the determined start propagation delay (propagation delay, col. 5 lines 23-30) value.

Referring to claim 10, Chia discloses a device according to claim 9, further comprising a database (storage unit, col. 5 lines 31-45) in which for a plurality of adjacent sectors start propagation delay values are stored, wherein said determining means accesses said database.

Referring to claim 11, Chia discloses the device according to claim 10, further comprising an updating (store, col. 5 lines 31-35) means for updating said database (storage unit, col. 5 lines 31-45) with the current propagation delay value detected by said searched means.

Referring to claim 12, Chia discloses the device according to claim 11, wherein for each adjacent sector one (order pair, col. 5 lines 31-35) start propagation value is stored in said database.

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Referring to claim 13, Chia discloses the device according to claim 11, wherein for each adjacent sector a plurality of start propagation values are stored in said database and said updating means is adapted to use an average (average, col. 4 lines 58-62 and col. 6 lines 9-28) of said plurality of start propagation values as the basis for said search strategy.

Referring to claim 14, Chia discloses the device according to claim 13, wherein a distribution (transmitted, col. 5 lines 26-30) of said plurality of start propagation values is also used as the basis for said search strategy.

Allowable Subject Matter

5. Claims 7, 8, 15 and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. **Any response to this action should be mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

or faxed to:

(571) 273-8300, (for formal communications intended for entry)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamal A. Fox whose telephone number is (571) 272-3143. The examiner can normally be reached on Monday-Friday 6:30 AM - 5:00 PM.

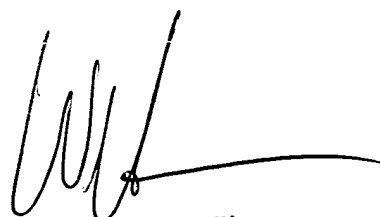
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to 2600 Customer Service whose telephone number is (571) 272-2600.



Jamal A. Fox



WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER